

FEIT, V.; REICHL, D.; GRAFNETTER, D.; ROMHLING, S.; VOHNOUT, S.; IOJDA, Z.

Studies on the effect of certain hormones on experimental atherosclerosis. II. Effect of growth hormone, hydrocortisone and hyaluronidase on certain properties of atheromatous vascular wall in rabbits. Cas. lek. cesk. 98 no.10:294-299 6 Mar 59.

1. Ustav pro choroby obehu krevniho, reditel Prof. MUDr. Kl. Weber, Vyzk. ustav endokrinologicky, reditel doc. MUDr. K. Silink, Embryologicky ustav KY, prednosta prof. MUDr. Z. Frankengerger. V. P., Praha-Krc, Budejovicka 800.

(ARTERIOSCLEROSIS, experimental,
eff. of hyaluronidase, hydrocortisone & sematotropin
on vasc. wall (Cz))
(HYDROCORTISONE, effects,
on exper. arteriosclerosis, on vasc. wall (Cz))
(HYALURONIDASE, effects,
effects)
(SOMATOTROPIN, effects,
same)

VIKTORA, J.; FODOR, J.; GRAFNETTER, D.; HAHN, P.; KOLDOVSKY, O.; LOJDA, Z.

Studies of certain biochemical indices of fat metabolism during the ontogenesis of rats. *Cesk. fysiол.* 9 no.1:63-64 Ja 60.

1. Ustav pro choroby obehu krevniho, Fysiologicky ustav CSAV a Embryologicky ustav lek. fak. KU. Praha.
(FATS metab.)
(GROWTH)

FODOR, J.; GRAFNETTER, D.

Effect of thiopental anesthesia on blood lipid and sugar levels.
Cesk. fysiол. 9 no.1:75-76 Ja 60.

1. Ustav pro choroby obehu krevniho, Praha.
(THIOPENTAL anesth & atalg.)
(BLOOD SUGAR)
(LIPIDS blood)

PREROVSKY, J.; LINHART, J.; DEJDAR, R.; VAVRIK, M.; GRAFNETTER, D.

Ischemic disease of the lower extremities in young adults
(thromboangiitis obliterans or atherosclerosis obliterans?).
Cas.lek.cesk.99 no.42:1339-1345 14 0 '60.

1. Ustav pro choroby obehu krevniho v Praze, reditel prof.
MUDr. Kl. Weber.

(THROMBOANGIITIS OBLITERANS diag)
(ARTERIOSCLEROSIS diag)

ZEMPLENYI, T.; LOJDA, Z.; GRAFNETTER, D.; FODOR, J.; FELT, V.

Effect of soy oil on experimental atheromatosis of the aorta and on certain enzymes in the vascular wall in rabbits. Cas.lek.cesk. 99 no.42:1346-1351 14 0 '60.

1. Ustav pro choroby obehu krevniho, Praha-Krc, prednosta prof. MUDr. K. Weber - Embryologicky ustav KU v Praze, prednosta prof. MUDr. Z. Frankenberger.

(OILS pharmacol)
(SOY BEANS)
(AORTA dis)
(ENZYMES chem)
(BLOOD VESSELS pharmacol)

GRAFNETTER, D.; GRAFNETTEROVA, J.; Technicka spoluprace I. Knizkova a D.
Houzimova

Effect of antibiotics on lipoprotein lipase activity. Cas.lek.cesk
100 no.4:105-112 27 Ja '61.

1. Ustav pro choroby obehu krevniho, prednosta prof. dr. Kl. Weber,
a oddeleni experimentalni terapie Ustavu pro vyzkum vyzivy lidu,
prednosta doc. dr. O. Smahel.

(ANTIBIOTICS pharmacol)
(LIPOPROTEIN LIPASE blood)

MALEK, P.; HAMMER, J.; ZASTAVA, V.; PISA, Z. Technical assistance: KOLC, J.
GRAFNETTER, D.

The diagnostic significance of fixation of tetracycline antibiotics in infarcted myocardium. Cor vasa 7 no.2:125-130 '65.

1. Institute for Clinical and Experimental Surgery and Institute for Cardiovascular Research, Prague, Czechoslovakia.

MALEK, P.; HAMMER, J.; ZASTAVA, V.; Pisa, Z.; KOLC, J.; GRAFFNETER, D.

Experimental models of myocardial infarction without opening of the thorax and tetracyclines. Cas. lek. cesk. 104 no.36: 986-990 10 S '65.

1. Ustav klinicke a experimentalni chirurgie v Praze (reditel prof. dr. B. Spacek, DrSc.) a Ustav pro vyzkum chorob obehu krevniho v Praze (reditel prof. dr. J. Brod, DrSc.). Submitted September 1964.

PECHAR, J.; GRAFNETTER, D.; PAVLIK, F.

Experience with densitometric evaluation of blood protein electrophoresis. Cas. lek. Cesk. 104 no.48:1316-1321
3 D '65.

1. Ustav pro vyzkum vyzyvy lidu v Praze (reditel prof. dr. J. Masek, DrSc.), Ustav pro choroby obehu krevniho v Praze (reditel prof. dr. J. Brod, DrSc.) a Ustav experimentalni a klinicke chirurgie v Praze (reditel prof. dr. B. Spacek, DrSc.).

GRAFNETTEROVA, Y. [Grafnetterova, J.]; KHOLINSKI, K. [Holinsky, K.];
SHMAGEL, O. [Smagel, O.]; SHIK, O. [Sik, O.]

Significance of plasma clearance in the study of the kinetics of
antibiotics. Antibiotiki 5 no.3:56-60 My-fe '60. (MIRA 14:6)

1. Kafedra vnutrennikh bolezney (zav. - O.Shmagel) Instituta
usovershenstvovaniya vrachey, Praga, Chakhoslavakiya.
(ANTIBIOTICS)

GRAFNETTEROVA, J.

Amperometric determination of penicillin in urine. Cas. lek. cesk.
99 no.6:182-185 5 F '60.

1. Interni katedra Ustavu pro doskolovani lekaru v Praze, prednosta
doc. MUDr. O. Smahel; Techicka asistence: D. Schreinerova.
(PENICILLIN urine)

GRAFNETTEROVA, J.; SMAHEL, O.

Binding of peroral penicillin preparations by human plasma
proteins. Cas. lek. cesk. 99 no.16:485-488 15 Ap '60.

1. Interni katedra Ustavu pro doskolovani lekaru v Praze, prednosta
doc. dr. O. Smahel.
(PENICILLIN - blood)
(BLOOD PROTEINS chem.)

GRAFNETTER, D.; GRAFNETTEROVA, J.; Technicka spoluprace I. Knizkova a D.
Houzimova

Effect of antibiotics on lipoprotein lipase activity. Cas.lek.cesk
100 no.4:105-112 27 Ja '61.

1. Ustav pro choroby obehu krevniho, prednosta prof. dr. Kl. Weber,
a oddeleni experimentalni terapie Ustavu pro vyzkum vyziwy lidu,
prednosta doc. dr. O. Smahel.

(ANTIBIOTICS pharmacol)
(LIPOPROTEIN LIPASE blood)

GRAFNETTEROVA, J.; SMAHEL, O.

Urinary excretion of penicillin after administration of oral penicillin preparations. Cas.lek.cesk 100 no.13:399-404 31 Mr '61.

1. Vyzkumny ustav experimentalni terapie, Interni katedra UDL, Prah-Krc, reditel doc. dr. O. Smahel.

(PENICILLIN metab)

GRAFNETTEROVA, Ya.

Amperometric determination of penicillin in the urine. Antibiotiki
7 no.8:736-742 Ag '62. (MIRA 15:9)

1. Kafedra vnutrennikh bolezney (zav. O.Shmagel) Instituta
usovershenstvovaniya vrachey, Praga, Chekhoslovakiya.
(PENICILLIN) (URINE--ANALYSIS AND PATHOLOGY)

GRAFNETTEROVA, J.; Technical assistance: HOUZIMOVA, D.

Distribution and excretion of chloramphenicol following its
rectal administration. Rev. Czech. med. 9 no.4:237-244 '63.

1. Research Institute for Experimental Therapy, Prague. Director:
Doc. O. Smahel, M.D., Dr.Sc.
(CHLORAMPHENICOL) (METABOLISM) (SUPPOSITORIES)
(TABLETS) (INJECTION, INTRAMUSCULAR)

GRAFNETTEROVA, J.; KONIG, J.; SMAHEL, C.; DVORACEK, K.; SCHUCK, O.

Renal excretion of 6-azauracil riboside in man. Cas.lek.cesk.
103 no.10:278-279 6 Mr'64

1. Vyzkumny ustav experimentalni terapie, Praha-Krc; reditel:
doc.dr. O.Smahel, DrSc.

CZECHOSLOVAKIA

SMAHEL, O., Docent, Dr, Dr of Sciences, and GRAFNETTEROVA, J., with technical assistance of HOUZIMOVA, D., Research Institute for Experimental Therapy (Vyzkumny ustav experimentalni terapie), Prague, Dr O. SMAHEL, director.

"Distribution of Chloramphenicol in Organism Under Pathological Conditions"

Prague, Casopis Lekarů Ceskych, Vol CII, No 26, 28 June 63, pp 710-713.

Abstract [Authors English summary, modified]: Under investigation was the amount of intration, plasmatic clearance, and urinary excretion of chloramphenicol following an administration of one gram of the preparation p.o. to healthy persons (13), to cirrhotic patients (10), and diabetic patients (11). Results: statistically significant difference in the distribution of chloramphenicol in healthy and ill persons; amount of intration is lower under pathological conditions; plasmatic clearance is reduced in cirrhosis and diabetes; no significant differences in intration, plasmatic clearance, and total urinary chloramphenicol excretion between cirrhotic and diabetic patients; the serum chloramphenicol level in diabetic patients an hour and half after administration was significantly higher than in cirrhotic patients and control group. Six references, including 3 Czech.

1/1

CZECHOSLOVAKIA

GRAFNETTEROVA, J., with technical assistance of HOUZIMOVA, D., Research Institute for Experimental Therapy (Vyzkumny ustav experimentalni terapie), Prague, Docent O. SMAHEL, Dr, Dr of Sciences, director.

"Distribution and Elimination of Chloramphenicol After Rectal Application."

Prague, Casopis Lekarů Ceskych, Vol CII, No 38, 20 September 63, pp 1046-1050.

Abstract [Author's English summary, modified]: The distribution was studied of chloramphenicol in suppositories of Czechoslovak and foreign make (Syntomycetin Lepetit) in comparison with intramuscular and peroral application of this antibiotic.

The Czechoslovak suppositories give low blood and urine levels of chloramphenicol, and the chloramphenicol resorption is insufficient. Only suppositories with an experimental hydrophile base give somewhat higher blood levels of chloramphenicol and enable better resorption, but even in that case the levels attained and resorption do not equal those after intramuscular or peroral application of chloramphenicol. Nine references, including 4 Czech.

1/1

SMAHEL, O., prof. dr., DrSc.; GRAFNETTEROVA, J.; SCHUCK, O.; DVORACEK, K.;
KCHIG, J.

Renal excretion of 6-azauracilribosides in man. Ces. lek. cesk.
104 no.12:308-311 26 Mr'65.

1. Vyzkumny ustav experimentalni terapie a interni katedra
Ustavu pro doskolovani lekaru v Praze (reditel: prof. dr.
O. Smahel, DrSc.).

MODR, Z.; HEJZLAR, M.; GRAFNETTEROVA, J.; DVORACEK, K.; BLAHA, V.

Oxacillin in macroorganisms. Cas. lek. cesk. 104 no.27/28:
735-742 9 J1 '65.

1. Vyzkumny ustav experimentalni terapie v Praze (reditel
prof. dr. O. Smahel, Dr.Sc.), Vojensky ustav hygieny, epi-
demiologie a mikrobiologie v Praze a I interni oddeleni
Thomayerovy nemocnice v Praze-Krci (vedouci MUDr. J.A.
Trojan).

GORIZONTOV, P.D., GRAFOV, A.A., SHAKHODYROV, V.V.

Role of the adrenopituitary system in the development of certain
symptoms of experimental radiation sickness. Vest. AMN SSSR 13
no.9:12-21 '58 (MIRA 11:10)

1. Chlen-korrespondent AMN SSSR (for Gorizontov).
(ROENTGEN RAYS, effects,
in adrenalectomized male white rats (Rus))
(ADRENALECTOMY, effects,
on post-irradiation reactions in male white rats (Rus))

GRAFOV, A.A.

Effect of the adrenals on the higher nervous activity and the
hematological index in irradiated rats. Med. rad. 4 no.5:42-48
My '59. (MIRA 12:7)

(ROENTGEN RAYS, eff.

on blood & higher nerv. activity, role of adrenals in
rats (Rus))

(ADRENAL GLANDS, physiol.

role in blood & higher nerv. activity changes in x-irradiated
rats (Rus))

(BLOOD, in various dis.

exper. radiation sickness, role of adrenals in changes in
rats (Rus))

(CENTRAL NERVOUS SYSTEM, in various dis.

higher nerv. activity in exper. radiation sickness, role
of adrenals in changes in rats (Rus))

GRAFOV, A.A.

Role of the pituitary and adrenals in the regulation of systolic
blood pressure in irradiated rats. Probl. endok. i gorm. 6
no. 3:22-26 My-Je '60. (MIRA 14:1)
(BLOOD PRESSURE) (RADIATION—PHYSIOLOGICAL EFFECT)
(PITUITARY BODY) (ADRENAL GLANDS)

GRAFOV, A.A.

Influence of cortisone, desoxycorticosterone acetate (DOCA) and
adrenocorticotrophic hormone (ACTH) on blood pressure in adrena-
lectomized and hypophysectomized irradiated rats. Probl.denok.
i gorm. no.1:28-33 '62. (MIRA 15:8)

1. Nauchnyy rukovoditel' - chlen-korrespondent AMN SSSR prof.
P.D. Gorizontov).

(HORMONES) (ADRENAL GLANDS—SURGERY) (BLOOD PRESSURE)
(HYPOPHYSECTOMY) (RADIATION SICKNESS)

GRAFOV. A.A.; GORIZONTOV, P.D., prof., nauchnyy rukovoditel'

Effect of ACTH on the clinical course of acute radiation sickness in hypophysectomized rats. 14a Probl. endok. i gorm. 8 no.2:57-64 Mr-Apr'62. (MIRA 16:7)

1. Chlen-korrespondent AMN SSSR (for Gorizontov)
(ACTH) (RADIATION SICKNESS) (PITUITARY BODY—SURGERY)

GRAFOV, A.I.; NOZHKIN, M.I.

In the Scientific Technical Council of the Ministry of Agriculture of the U.S.S.R. Mekh. i elek.sots.sel'khoz. no.4:59-60
'57. (MIRA 12:4)
(Agricultural machinery)

L 20889-66 EWT(1)/EWT(m)/ETC(f)/EWG(m)/FCC/ DS/GW

ACC NR: AP6002558

(N) SOURCE CODE: UR/0286/65/000/023/0056/0056

AUTHORS: Osipova, N. Ye.; Osmolovskaya, T. N.; Kuznetsov, O. A.; Grafov, A. Ya.; Davydov, Yu. S.

ORG: none

TITLE: Method for fabricating moisture-sensitive elements for electrolytic air humidity detectors. Class 42, No. 176708

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 23, 1965, 56

TOPIC TAGS: atmospheric humidity, electrolytic cell, moisture measurement

ABSTRACT: This Author Certificate presents a method for fabricating moisture-sensitive elements for electrolytic air humidity detectors, based on the utilization of the change of resistance of moisture sensitive films with humidity. To increase the sensitivity and stability while widening the measurement range, the sensitive element is in the form of an insulated shell with parallel metallic electrodes wound on it. The element is placed in a hot aqueous solution with a temperature of no less than 95C containing 1--4% sodium chloride, 38--68% of

Card 1/2

UDC: 621.3.083.8.002.2

L 20889-66

ACC NR: AP6002558

Rochelle salt, 0.1% propantriol, and 0.1% formic acid amide. The element is removed from the solution, and the electrodes are heated to a temperature of 75--80C by an ac current for 5--6 min. 6

SUB CODE: 04/ SUBM DATE: 22Jun64

Card 2/2

ULR

AUTHOR: Grafov, B.

SOV-107-58-9-32/38

TITLE: A Simple Super-Heterodyne with Increased Sensitivity (Pro-
stoy supergeterodin s povyshennoy chuvstvitel'nostyu)

PERIODICAL: Radio, 1958, Nr 9, pp 50 - 52 (USSR)

ABSTRACT: The receiver is a 4-tube superheterodyne for reception of stations on SW 5.4-17.6 Mc, MW 540-1, 550 kc and LW 150-410 kc. The bandpass is 8-10 kc. The line-up is: converter, IF amplifier, transistor diode detector and 2-stage AF amplifier. To increase the stage gain of the IF amplifier, the value of the resonance impedance of the tuned circuit is raised above normal limits. To prevent the danger of self-oscillation of the stage, which could result through parasitic feedback, the decoupling condenser in the anode circuit is connected to the screen grid of the tube and not to ground. The set is powered from the ac grid via a full-wave electronic tube rectifier. Full constructional details are given. As a result of the increased amplification factor of the IF stage, the receiver has a sensitivity of not worse than 10 μ v at

Card 1/2

A Simple Super-Heterodyne with Increased Sensitivity

SOV-107-58-9-32/38

50 mw output. Undistorted output is 2 w, consumption
60 w. Selectivity in relation to a neighboring channel
is not worse than 200 db. There is 1 circuit diagram
and 1 table.

1. Radio receivers--Design
2. Radio receivers--Applications
3. Radio receivers--Performance

Card 2/2

24.7700

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67267

SOV/20-129-4-31/68

AUTHORS: Vdovin, Yu. A., Grafov, B. M., Myamlin, V. A.

TITLE: The Rectifying Action of Electrolyte - Electronic Semiconductor²¹
Contact

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 129, Nr 4, pp 827-830
(U3SR)

ABSTRACT: The authors investigate the processes on the phase boundary between an electronic germanium semiconductor and an electrolyte in consideration of holes on the assumption that donor levels are fully ionized, acceptor levels are fully occupied, and impurity levels are uniformly distributed in the semiconductor volume. In this case, different electronic conditions prevail than in the anodic dissolution of n-Ge (Ref 2). If, in the system investigated by the authors, the contact layer was poor both in electrons and in holes, a special rectifying effect occurred, which was not due to p-n transition. The system of equations for the semiconductor is written down and the voltage drop ψ_a is calculated. The volt-ampere characteristic corresponding to the equations (12) - (15) is shown in

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SOV/20-129-4-31/68

The Rectifying Action of Electrolyte - Electronic Semiconductor Contact

figure 1. It shows a characteristic stage in which the curve nearly takes a perpendicular course as well as a very low barrier current. There is a peculiar breakdown voltage ψ^* , which, as to order of magnitude, corresponds to the width of the forbidden zone. The results obtained hold in the same manner also for the contact electrolyte - holes semiconductor. It is finally said that the authors thank V. G. Levich, Corresponding Member, AS USSR, for his valuable advice. Mention is made in the text of Yu. V. Pleskov and B. N. Kabanov. There are 1 figure and 3 Soviet references.

ASSOCIATION: Institut elektrokhemii Akademii nauk SSSR (Institute of Electrochemistry of the Academy of Sciences, USSR)

PRESENTED: July 6, 1959, by A. N. Frumkin, Academician

SUBMITTED: July 6, 1959

Card 2/2

GRAFOV, B.M.; CHERNENKO, A.A.

Theory of direct current flow through a binary electrolyte solution. Dokl. AN SSSR 146 no.1:135-138 S '62. (MIRA 15:9)

1. Institut elektrokhemii AN SSSR. Predstavleno akademikom A.N. Frumkinym.

(Electrolysis)

LEVICH, V.G.; GRAFOV, B.M.

Alternating current in a binary electrolyte. Dokl. AN SSSR 146
no.2:398-401 S '62. (MIRA 15:9)

1. Institut elektrokhemii AN SSSR. 2. Chlen-korrespondent AN SSSR
(for Levich). (Electrochemistry)

LEVICH, V.G.; GRAFOV, B.M.

Effect of the reaction irreversibility on Faraday's impedance in a binary electrolyte. Dokl. AN SSSR 146 no.3:644-645 S '62. (MIRA 15:10)

1. Institut elektrokhimii AN SSSR. 2. Chlen-korrespondent AN SSSR (for Levich).

(Electrochemistry)

LEVICH, V.G.; GRAFOV, B.M.

Rectification effect on an ideally polarizable electrode. Dokl.
AN SSSR 146 no.6:1372-1373 0 '62. (MIRA 15:10)

1. Institut elektrokhemii AN SSSR. 2. Chlen-korrespondent AN SSSR
(for Levich).
(Electromotive force) (Polarization (Electricity))

LEVICH, V. G.; GRAFOV, B. M.

Faraday's rectification in a binary electrolyte solution.
Dokl. AN SSSR 147 no.6:1402-1405 D '62. (MIRA 16:1)

1. Institut elektrokhimii AN SSSR. 2. Chlen-korrespondent
AN SSSR (for Levich).

(Electrolyte solutions)

L 12731-63

EWT(m)/BDS

AFFTC/ESD-3

RH

ACCESSION NR: AP3002284

S/0062/63/000/006/1011/1017

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AUTHOR: Myamlin, V. A.; Grafov, B. M.

TITLE: Capacity and resistance of a contact-semiconductor of the germanium-electrolyte type

~7

SOURCE: AN SSSR. Izvestiya. Otdeleniye khimicheskikh nauk, no. 6, 1963, 1011-1017

TOPIC TAGS: germanium-electrolyte type semiconductor, electrode reaction current

ABSTRACT: An expression is given for the impedance of contact of a semiconductor type with an electrolyte, with a consideration of the displacement and electrode reaction current. The resistance and capacity of the contact depends only on those frequencies that are comparable with the frequency of generation and recombination of the electrons and on the holes in the semiconductor. "The authors express deep gratitude to V. G. Levich for valuable criticisms." Orig. art. has: 24 formulas and 1 figure.

ASSOCIATION: Institut elektrokhemii Akademii nauk SSSR (Electrochemical Institute, Academy of Sciences SSSR)

Card 1/21

GRAFOV, B. M.; CHERNENKO, A. A.

Passage of direct current through a binary electrolyte solution
(asymmetric electrolyte). Zhur. fiz. khim. 37 no. 3:664-665
Mr '63. (MIRA 17:5)

1. Institut elektrokhemii AN SSSR.

LEVICH, V. G.; KHAYKIN, B. I.; GRAFOV, B. M.

Faraday's heterodination. Dokl. AN SSSR 153 no. 6:1374-
1377 D '63. (MIRA 17:1)

1. Institut elektrokhemii AN SSSR. 2. Chlen-korrespondent
AN SSSR (for Levich).

LEVICH, V.G.; GRAFOV, B.M.; KHAYKIN, B.I.

Second harmonic phase of a variable potential and the transfer coefficient of rapid electrochemical reactions. Dokl. AN SSSR 154 no.1:200-202 Ja'64. (MIRA 17:2)

1. Institut elektrokhemii AN SSSR. 2. Chlen-korrespondent AN SSSR (for Levich).

GRAFOV, B.M.

Contribution to the theory of electrochemical diode. Izv.
AN.SSSR.Ser.khim. no. 5:814-821 My '64. (MIRA 17:6)

1. Institut elektrokhemii AN SSSR.

LEVICH, V. G.; KHAYKIN, B. I.; GRAFOV, B. M.

"Two new methods of investigation of fast electrode processes."

report presented at 15th Mtg, Intl Comm of Electrochemical Thermodynamics & Kinetics, London & Cambridge, UK, 21-26 Sep 1964.

Inst of Electrochemistry, AS USSR.

L 64292-65 EMT(m)/EMA(d)/T GS

ACCESSION NR: AT5020454

UR/0000/64/000/000/0105/0109

AUTHOR: Myamlin, V. A.; Grafov, B. M.

TITLE: Using capacitance measurements for studying the surface properties of an electrolyte-semiconductor interface

SOURCE: Mezhvuzovskaya nauchno-tekhnicheskaya konferentsiya po fizike poluprovodnikov (poverkhnostnyye i kontaktnyye yavleniya). Tomsk, 1962. Poverkhnostnyye i kontaktnyye yavleniya v poluprovodnikakh (Surface and contact phenomena in semiconductors). Tomsk, Izd-vo Tomskogo univ., 1964, 105-109

TOPIC TAGS: surface property, crystal surface, semiconductor theory, electrolyte, electrolytic capacitor, electrochemistry

ABSTRACT: In a brief survey of the literature, the authors present some of the basic concepts of semiconductor electrochemistry together with theoretical calculations of processes which take place at the electrolyte-semiconductor interface. The following problem is proposed and solved. A certain direct current is passed through an electrolyte-semiconductor interface. A weak alternating signal of frequency ω is superimposed on the direct current for measuring capacity and resistance. The capacity and resistance are calculated as a function of the frequency

Card 1/3

L 64292-65

ACCESSION NR: AT5020454

of the current i . The calculations are made on the supposition that holes must be supplied from the depth of the semiconductor in order for an electrolytic reaction to take place at the contact. It is further assumed that the region of volume charge in the semiconductor is poor in electrons and holes, so that the total charge of the semiconductor is determined completely by ionized donor levels. The capacitance and resistance are found as a function of the applied voltage. This relationship is shown in fig. 1 of the Enclosure. The shapes of the curves are explained. "The authors are grateful to corresponding member AN SSSR V. A. Levich for useful consultation." Orig. art. has: 1 figure.

ABSTRACT: none

EXAMETER: 06Oct64

ENCL: 01

SUB CODE EC, CC

NO REF SCV: 004

OTHER: 006

Card 143

AT 5120454

IN 1000000

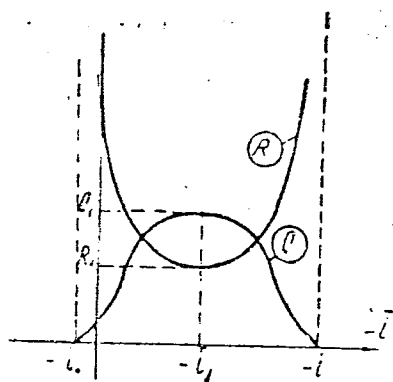


Fig. 1. Behavior of resistance and capacitance of the contact as a function of the polarizing current.

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Card 3/3

G.I. GRAFOV, (V.I. Spitsyn), (V.D. Balukova), (A.F. Naumova)

"MIGRATION OF RADIOELEMENTS IN SOILS" by V. I. Spitsyn, V. D. Balukova,

A. F. Naumova, G. I. Grafov

Report presented at 2nd UN Atoms-for-Peace Conference, Geneva, 9-13 Sept 1958

GRAFOV, G.I.

PHASE I BOOK EXPLANATION 807/5084

International Conference on the Peaceful Uses of Atomic Energy. 24, Geneva, 1958.

Doklady sovetskikh uchenykh. [r.] Khimiyе radioelementov i radiatsionnykh prevrashcheniy (Reports of Soviet Scientists. v. 4.: Chemistry of Radioelements and Radiation Transformations) Moscow, Atomizdat, 1959. 323 p. 8,000 copies printed. (Series: Izv. Tuzh)

Ed. (Title page): A. P. Vinogradov, Academician; Ed.: V. I. Labadov, Tech. Ed.: Ye. I. Masel.

PURPOSE: This collection of articles is intended for scientists and engineers interested in the applications of radioactive materials in science and industry.

CONTENTS: The book contains 26 separate studies concerning various aspects of the chemistry of certain radioactive elements and the processes of radiation effect on matter. These reports discuss present-day methods of reprocessing irradiated nuclear fuel, research in the chemistry of mercury, thorium, uranium, plutonium, and americium, problems related to the sorption and burying of radioactive wastes, the radiolysis of aqueous solutions and of organic compounds, the mechanism of polymer chain grafting, and the effect of radiation on natural and synthetic rubbers. V. I. Labadov edited the present volume. Most of the reports are accompanied by references. Contributors to individual investigations are mentioned in annotations to the Table of Contents.

Alenchikov, I. P., L. L. Kuznetsov, L. I. Kozlov, L. V. Kozlov, and M. I. Gerasimov. Production and Properties of Several Heavy Fluorides of Trivalent Actinides (Report No. 2208)

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Yakovlev, O. M., and V. N. Koryakov. Investigations on the Chemistry of Americium (Report No. 2207)

137

[Dr. S. Cornhauser-Germanov is mentioned as having supplied the material for the second section of this study.]

Pravoslavny, O. Ye., V. D. Nikol'skiy, R. M. Starostin, A. Burdakov, and A. A. Smidat. Contribution to the Chemistry of Radioactive Actinides (Report No. 2205)

166

Spitsyn, V. I., V. D. Bulukova, A. P. Kuznetsov, V. V. Gerasimov, L. M. Shadrin, Ye. M. Vetrov, and G. I. Kozlov. Study of the Migration of Radioactive Elements in Soils (Report No. 2207)

174

Vorobeychik, S. A., G. A. Barada, P. P. Dolzhik, and L. I. Bakov. Identification of Low-Salt-Content and Low-Activity Waste Waters From Radiochemical Plants (Report No. 2204)

189

Mol'shakova, K. A., A. T. Ardonin, V. T. Borshchey, P. V. Ruzhen, and others. Experimental Industrial Plant for Purification of Laboratory Waste Waters Contaminated With Radioactive Elements (Report No. 2205)

194

Bogorov, V. G., and Ye. M. Kreps. On the Possibility of Burying Radioactive Wastes in Deep-water Depressions of the Ocean (Report No. 2058)

204

Proskurnin, M. A., and Ye. M. Kolybabin. Investigations into the Radio-Chemistry of Aqueous Solutions (Report No. 2202)

211

[The investigations were carried out at the Laboratory of Radiochemistry of the Institute of Nuclear Physics, Academy of Sciences of the USSR, under the direction of M. A. Proskurnin, V. D. Oreshkov, Ye. V. Kuvshinov, and A. I. Chernova. The data on oxidation-reduction reactions taking place in aqueous solutions under the effect of gamma-radiation were obtained from investigations made at the Laboratory of Electrochemistry of Metals (Laboratory of Corrosion and Electrochemistry of Metals) under the direction of Ye. M. Kolybabin, Ye. V. Kuvshinov, and G. S. Tyurikov. The following are mentioned as having made a study of conjugate reactions such as the formation of dyes from leuco-bases: V. D. Oreshkov, A. A. Zaslavskaya, L. I. Zaslavskiy, T. V. Bromberg, and M. Ye. Kuznetsov.]

Radtsig, M. A., V. I. Medvedevskiy, and V. V. Shadrin. Radiolysis and Radiation Oxidation of Organic Compounds (Report No. 2209)

229

[The following are mentioned: M. S. Kozlov and V. P. Tsvetkov,

VINOGRADOV, A.P., akademik, red.; VERESHCHINSKIY, I.V., kand. khim. nauk, red.;
GRAFOV, G.I., kand. khim. nauk, red.; KORPUSOV, G.V., kand. khim. nauk,
red.; PRUSAKOV, V.N., kand. khim. nauk, red.; MATVEYEVA, A.V., red.;
MAZEL', Ye.I., tekhn. red.

[Transactions. Selected reports by foreign scientists] Trudy. [Izbrannye doklady inostrannykh uchenykh] Moskva, Izd-vo Glav. uprav. po ispol'zovaniyu atomnoi energ. pri Sovete Ministrov SSSR. Vol.5. [Chemistry of radioactive elements and of radiation transformations] Khimiya radioelementov i radiatsionnykh prevrashchenii. Pod obshchei red. A.P.Vinogradova. 1959. 715 p. (MIRA 14:7)

1. Vtoraya mezhdunarodnaya konferentsiya po mirnomu ispol'zovaniyu atomnoy energii, Zheneva, 1958.
(Radioactive substances) (Radiochemistry)

S/170/60/003/02/25/026
B008/B005

AUTHORS: Grafov, G. I., Sinitsyn, V. I.

TITLE: Application of High-intensity Radiation Sources in Industry 19

PERIODICAL: Inzhenerno-fizicheskiy zhurnal, 1960, Vol. 3, No. 2,
pp. 128-132

TEXT: This is a short survey of the material dealt with at the Conference* in Warsaw from September 8 to 12, 1959. The Conference which was devoted to problems of applying high-intensity radiation sources in industry was organized by the Mezhdunarodnoye agentstvo po atomnoy energii (International Atomic Energy Agency). It was the first great international conference on the role of ionizing radiation in industrial processes. More than 60 reports were delivered and discussed. In these reports, concrete problems of the application of radiation in industry, as well as some related scientific, theoretical, and economic problems were dealt with. Among the reports dealing with the action of radiation on plastics¹⁵ and elastomers¹⁵ the following are mentioned: A report by the British scientist S. K. Pinner "Fizicheskiye svoystva poli-

Card 1/3 * Conference on Use of Powerful Sources of Radiation in Industry

Application of High-intensity Radiation Sources
in Industry

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B008/B005

vinilkhloridnykh obednennykh tsepey sopolimerov, poluchennykh v rezul'tate vozdeystviya ioniziruyushchey radiatsii" (Physical Properties of Exhausted Polyvinyl Chloride Chains of Copolymers Obtained by the Action of Ionizing Radiation); several reports delivered by Japanese scientists, among them A. Danno and M. Matsumoto, Sunichi Onisi, et al., as well as a report by Dzh. Oster. The action of radiation on the processes of polymerization and accumulation, the effect on chemical reactions, were dealt with in reports by the following scientists: S. S. Medvedev, Ye. V. Barelko, F. Dalton, and R. Roberts (England), S. Okamura, I. Sakurada et al. (Japan), J. V. Sutherland, A. O. Allen, A. Henglein (USA), M. Dyuryu, F. Trenar, P. Verr'ye (France). A. S. Kuz'minskiy et al. (USSR) used ionizing radiation for vulcanizing silicon rubber. A. V. Topchiyev, L. S. Polak et al. (USSR) delivered the report "Perspektivy promyshlennogo ispol'zovaniya radiatsionno-termicheskogo krekinga normal'nykh uglevodorodov" (Prospects of Industrial Application of Radiothermal Cracking of Normal Hydrocarbons) A. Danno (Japan), D. U. Georg and D. N. Gregory (Australia), as well as the Soviet scientists N. P. Syrkus, A. Kh. Brecher, and B. I. Vaynshteyn reported on high-intensity radiation sources and on methods of their application in industry. Further, problems of the application of rays in treating foodstuffs, plants, and

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organisms, economic problems with respect to processing methods by means of
radiation, etc. were dealt with.

Card 3/3

21.6100,21.7100

77257

SOV/89-8-2-22/30

AUTHORS: Sinitsin, V. I., Grafov, G. I.

TITLE: Conference on the Application of Powerful Radiation Sources In Industry and Especially in Chemical Processes

PERIODICAL: Atomnaya energiya, 1960, Vol 8, Nr 2, pp 164-167 (USSR)

ABSTRACT: The conference was held in Warsaw September 8-12, 1959. More than 200 representatives from 27 countries were present. The representatives of Canada reported on the radiation source and construction of the irradiation unit for irradiation of potatoes. The use of a powerful irradiation unit with cobalt 60 as the radiation source in the rubber and plastics industry was reported by representatives of Czechoslovakia. Several reports were devoted to methods of calculating and designing irradiation units for use in the chemical industry (Denmark, Hungary, USSR, France). The outstanding reports of the representatives of the U.S. were: G. Silverman, on the use of β -radiation of fission products in textile and

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Radiation Sources In Industry and Especially
in Chemical Processes

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plastics industries; D. George and D. Gregory, on the γ -unit of the research center of the Australian Atomic Energy Commission; G. Oster, on "The Role of Electron Excitation in the Chemical Effect of Irradiation on Plastics"; J. Sederland and A. Allen, on radiolysis of pentane in the crystal lattice of hydrated synthetic zeolites; E. Taylor, on the effect of γ -radiation on the activity of catalysts; A. Henglein, on synthesis of nitric compounds by the reaction of free radicals with nitrogen oxide; E. Pollard and U. Gild, on inactivation curves for certain plants, animals, and bacteriological viruses; Ch. Artandi, on sterilization of pharmaceuticals and hospital equipment with ionizing radiation; P. Ebersold, on main types of industrial application of radiation in the U.S. and future plans for the use of radiation. Several studies conducted at Brookhaven and Oak Ridge National Laboratories were also reported. The reports presented by representatives of Japan are: S. Onisi, on measurements of spectra of the

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Radiation Sources In Industry and Especially
in Chemical Processes

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electron spin resonance of γ -irradiated polymers;
M. Matsumoto, on the effect of radiation on polyvinyl
alcohol; S. Okamura, on polymerization of vinylacetate
in an aqueous medium under the effect of γ -radiation.
The Soviet reports mentioned are: A. K. Breger, on the
principle and general characteristic of indium-gallium
irradiator using short-life isotopes; S. S. Medvedeva,
A. D. Abkina, and P. M. Khomikovskiy, on radiation poly-
merization of ethylene in gaseous phase of organic
solvents. The other reports noted are: S. Pinner (U.K.),
on synthesis of polyvinyl chloride with copolymer chains
cross-linked with allyl bonds; F. Dalton and R. Robetson
(U.K.), on graft-polymerization of polyacrylonitrile and
dimethylsiloxane caused by γ -radiation; H. Heins and
B. Dere (Belgium), on the effect of γ -radiation on
polyethylacrylate of various molecular weights; F. Trenar
and Verrie (France), on the effect of radiation on the
reaction of chlorine with one of its liquid derivatives;
F. Balestic and M. Maga (France), on the effect of radia-
tion on synthesis of some dyes.

Card 3/3

GRAFOV, G.I.

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PHASE I BOOK EXPLOITATION

807/5425

Fedorov, N.D., Candidate of Technical Sciences, Compiler

Kratkiy spravochnik inzhenera-fizika: Yadernaya fizika. Atomnaya fizika
(Concise Handbook for the Engineering Physicist: Nuclear Physics. Atomic
Physics) Moscow, Atomizdat, 1961. 507 p. 28,000 copies printed.

Ed.: A.F. Alyab'yev; Tech. Ed.: Ye. I. Mazel'.

PURPOSE: This reference book is intended for engineers and physicists working
in the field of atomic and nuclear physics.

COVERAGE: The first seven parts of the book contain the most necessary reference
material on atomic and nuclear physics. The remaining parts present information
and data from other related fields. The last part gives the information on
systems of units compiled from the new GOST specifications, physical constants,
and some mathematical data. No personalities are mentioned. References
accompany each part of the book.

Card 1/13

Concise Handbook (Cont.)

SOV/5425

VI. Exploration of Uranium Deposits

377

Bibliography

384

PART ELEVEN. RADIOCHEMISTRY (G. I. GRAPOV)

I. Radioactive Decay

385

II. The Chemistry of the Radioelements

387

III. Methods for the Separation and Concentration of Radioactive Elements

401

1. Coprecipitation and adsorption.
2. Chromatographic separation of radioactive elements.
3. The extraction method of separating radioactive elements.

IV. Chemical Processing of Irradiated Reactor Fuel

407

1. Dissolution of fuel elements.
2. Dry processes of separating and purifying irradiated fuel

Card ~~11/13~~

GRAFOV, I.F.

Cement trucks with a load capacity of 7-12 tons. Mekh. stroi.
18 no. 3:20-21 Mr '61. (MIRA 14:5)

1. Pavshinskiy mekhanicheskiy zavod.
(Cement—Transportation) (Motortrucks)

G. R. A. F. O. V., L. Y. E.

KUZ'MICH, A.S., redaktor; GRAFOV, L.Ye., redaktor; SHEVYAKOV, L.D., akademik, redaktor; SUDOPLET'OV, I.P., redaktor; BALBACHAN, Ya.I., redaktor; OSTROVSKIY, S.B., redaktor; BARANOV, A.I., redaktor; BAGASHEV, M.K., redaktor; IVANENKO, G.I., redaktor; SOSNOV, G.A., redaktor; PRUDKIN, Ya.M., redaktor; DUL'NEV, V.P., tekhnicheskii redaktor.

[Reconstruction of the mining industry and the improvement of the surface complex of mines in the Donets Basin; proceedings of a conference in Stalino, November 19-21, 1951.] Rekonstruktsiia gornogo khoziaistva i sovershenstvovanie poverkhnostnykh kompleksov ugol'nykh shakht Donbassa; trudy soveshchaniia v g. Stalino, 19-21 noiabria 1951 g. Moskva, Ugletekhnizdat. 1952. 245 p. [Microfilm] (MLBA 9:2)

1. Russia (1923- U.S.S.R.) Ministerstvo ugol'noy promyshlennosti.

(Donets Basin --Coal mines and mining)

GRAFOV, L.Ye.

KUZ'MICH, A.S., redaktor; BARABANOVA, F.A., redaktor; BOHROV, I.V., redaktor; VLADIMIRSKIY, V.V., redaktor; GRAFOV, L.Ye., redaktor; DOKUKIN, A.V., redaktor; YERASHKO, I.S., redaktor; ZABLODSKIY, G.P., redaktor; ZADEMIDKO, A.N., redaktor; ZAYTSEV, A.P., redaktor; ZASADYCH, B.I., redaktor; KAGAN, P.Ya., redaktor; KRASHNIKOVSKIY, G.V., redaktor; KRIVONOGOV, K.K., redaktor; LALAYANTS, A.M., redaktor; MELAMED, Z.M., redaktor; MINDELI, E.O., redaktor; MOGILEVSKIY, N.M., redaktor; OSTROVSKIY, S.B., redaktor; POPOV, T.T., redaktor; SKOCHINSKIY, A.A., redaktor; SKURAT, V.K., redaktor; SOBOLEV, G.G., redaktor; STUGAREV, A.S., redaktor; SUMCHENKO, V.A., redaktor; TERPIGOREV, A.M., redaktor; SHEVYAKOV, L.D., redaktor; SHELKOV, A.A., redaktor; ANDREYEV, G.G., tekhnicheskiy redaktor

[Safety regulations in coal and shale mines] Pravila bezopasnosti v ugol'nykh i slantsevykh shakhtakh. Moskva, Ugletekhizdat, 1953. 226 p. (MIRA 8;4)

1. Russia (1923- U.S.S.R.) Ministerstvo ugol'noy promyshlennosti.
(Coal mines and mining--Safety measures)

KHRUSHCHEV, N.S.; KAGANOVICH, L.M.; SHVERNIK, N.M.; PERVUKHIN, M.G.; ZASYAD'KO, A.F.
TEVOSYAN, I.F.; MALYSHEV, V.A.; BAYBAKOV, N.K.; BESHCHEV, B.P.; KUZ'MICH, A.S.
MEL'NIKOV, L.G.; GRAFOV, L.Ye.; ZADEMIDKO, A.N.; MEL'NIKOV, N.V.; LALAYANTS,
A.M.; KOVALEV, I.V.; POCHENKOV, K.I.; BARABANOV, F.A.; KRASHNIKOVSKIY, G.V.;
MINDELI, E.O.; ROSSOCHINSKIY, I.Ya.

Egor Trofimevich Abakumov; obituary. Mast.ugl.2 no.11:30 N '53.

(MLRA 6:11)

(Abakumov, Egor Trofimovich, 1895-1953)

GRAFOV, L.Ye.

Develop more widely the open pit method of mining coal. Mekh
trud. rab. 10 no.1:5-9 Ja '56. (MLRA 9:5)

1. Zamestitel' ministra ugol'noy promyshlennosti SSSR.
(Strip mining)

GRAFCV, L. Ye.
 BEYLINA, TS.O., inzhener; BLAGONADEZHDIN, V.Ye., inzhener; BOGUSLAVSKIY, P.Ye., kandidat tekhnicheskikh nauk; VORONKOV, I.M., professor, GITINA, L.Ya., inzhener; GROMAN, M.B., inzhener; GOROKHOV, N.V., doktor tekhnicheskikh nauk [deceased]; DENISYUK, I.N., kandidat tekhnicheskikh nauk; DOVZHIK, S.A., kandidat tekhnicheskikh nauk; DUKEL'SKIY, M.P., professor, doktor khimicheskikh nauk [deceased]; DYKHOVICHNIY, A.I., professor; ZHITKOV, D.G., professor, doktor tekhnicheskikh nauk; KOZLOVSKIY, N.S., inzhener; LAKHTIN, Yu.M., doktor tekhnicheskikh nauk; LEVENSON, L.B., professor, doktor tekhnicheskikh nauk [deceased]; LEVIN, B.Z., inzhener; LIPKAN, V.F., inzhener; MARTYNOV, M.V., kandidat tekhnicheskikh nauk; MOLEVA, T.I., inzhener; NOVIKOV, F.S., kandidat tekhnicheskikh nauk; OSETSKIY, V.M., kandidat tekhnicheskikh nauk; OSTROUMOV, G.A.; PONOMARENKO, Yu.F., kandidat tekhnicheskikh nauk; RAKOVSKIY, V.S., kandidat tekhnicheskikh nauk; REGIRER, Z.L., inzhener; SOKOLOV, A.N., inzhener; SOSUNOV, G.I., kandidat tekhnicheskikh nauk; STEPANOV, V.N., professor; SHEMAKHANOV, M.M., kandidat tekhnicheskikh nauk; EL'KIND, I.A., inzhener; YANUSHEVICH, L.V., kandidat tekhnicheskikh nauk; BOKSHITSKIY, Ya.M., inzhener, redaktor; BULATOV, S.B., inzhener, redaktor; GASHINSKIY, A.G., inzhener, redaktor; GRIGOR'YEV, V.S., inzhener, redaktor; YEGURNOV, G.P., kandidat tekhnicheskikh nauk, redaktor; ZHARKOV, D.V., dotsent, redaktor; ZAKHAROV, Yu.G., kandidat tekhnicheskikh nauk, redaktor; KAMINSKIY, V.S., kandidat tekhnicheskikh nauk, redaktor; KOMARKOV, Ye.F., professor, redaktor; KOSTYLEV, B.N., inzhener, redaktor; POVAROV, L.S., kandidat tekhnicheskikh nauk, redaktor; ULINICH, F.R., redaktor; KLORIK'YAN, S.Kh., otvetstvennyy redaktor; GLADILIN, L.V., redaktor;
 (Continued on next card)

HEYLINA, TS.O. --- (continued) Card 2.

RUPPENEYT, K.V., redaktor; TERPIGOREV, A.M., glavnyy redaktor;
BARABANOV, F.A., redaktor; BARANOV, A.I., redaktor; BUCHHEV, V.K.,
redaktor; GRAFOV, L.Ye., redaktor; DOKUKIN, A.V., redaktor; ZADEMID-
KO, A.N., redaktor; ZASYAD'KO, A.F., redaktor; KRASNIKOVSKIY, G.V.
redaktor; LETOV, N.A., redaktor; DISHIN, G.L., redaktor; MAN'KOV-
SKIY, G.I., redaktor; MEL'NIKOV, N.V., redaktor; ONIKA, D.G.,
redaktor; OSTROVSKIY, S.B., redaktor; POKROVSKIY, N.M., redaktor;
POLSTYANOV, G.N., redaktor; SKOCHINSKIY, A.A., redaktor; SONIN,
S.D., redaktor; SPIVAKOVSKIY, A.O., redaktor; STANCHENKO, I.K.,
redaktor; SUDOPLATOV, A.P., redaktor; TOPCHIYEV, A.V., redaktor;
TROYANSKIY, S.V., redaktor; SHEVYAKOV, L.D., redaktor; BYKHOV-
SKAYA, S.N., redaktor izdatel'stva; ZAZUL'SKAYA, V.F., tekhnicheskiy
redaktor; PROZOROVSKAYA, V.L., tekhnicheskii redaktor.

[Mining; an encyclopedic handbook] Gornoe delo; entsiklopedicheski
spravochnik. Glav.red. A.M. Terpigorev. Chleny glav.red. F.A. Bara-
banov i dr. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po ugol'noi
promyshl. Vol.1. [General engineering] Obshchie inzhenernye
svedeniia. Redkollegiia toma S.Kh.Klorik'ian i dr. 1957. 760 p.

(Mining engineering) (MLRA 10:10)

GRAKOV, I. Ye., red.; GUBERMAN, I.D., red.; ZADEMIDKO, A.N., red.; ZASYAD'KO, A.F., red.; KRASNIKOVSKIY, G.V., red.; KUZ'MICH, A.S., red.; LALAYNTS, A.M., red.; MEL'NIKOV, L.G., red.; MINDELI, E.O., kand. tekhn.nauk; ONIKA, D.G., doktor tekhn.nauk, red.; PANOV, A.D., red.; POCHENKOV, K.I., red.; TERPIGOREV, A.M., akademik, red.; USEKOV, A.A., red.; KHARCHENKO, A.K., red.; SHCHEDRIN, M.A., red.; BOYKO, A.A., red.; MELAMED, Z.M., kand.tekhn.red.; PERVUKHIN, A.G., red.; BARABANOV, F.A., red.; SOSNOV, G.A., red.; TSYPKIN, V.S., red.; ALADOVA, Ye.I., tekhn.red.

[Restoration of the coal industry in the Donets Basin] Vosstano-
vlenie ugol'noi promyshlennosti Donetskogo basseina. Moskva, Gos.
nauchno-tekhn.izd-vo lit-ry po ugol'noi promyshl. Ugletekhizdat.
Vol.1. 1957. 371 p. Vol.2. 1957. 782 p. (MIRA 11:4)
(Donets Basin--Coal mines and mining)

GRAFOV, L.Ye.

Prospects of expanding coal mining in the R.S.F.S.R. Ugol' 33
no.8:12-15 Ag '58. (MIRA 12:1)

1.Zamestitel' predsedatelya Gosplana RSFSR.
(Coal mines and mining)

GRAFOV, L.Ye.

Coal mining in France. Ugol' 33 no.12:36-41 D '58. (MIRA 11:12)
(France--Coal mines and mining)

BARDIN, I.P., akademik, glavnyy red. [deceased]; NEKRASOV, N.N., otv. red.toma; SLAVIN, S.V., doktor ekon.nauk, red.toma; SHKOL'NIKOV, M.G., kand.econ.nauk, red.toma; LAVRENT'YEV, M.A., akademik, red.; VOL'FKOVICH, S.I., akademik, red.; DIKUSHIN, V.I., akademik, red.; NEMCHINOV, V.S., akademik, red.; VEYTS, V.I., red.; LEVITSKIY, O.D., red.; PUSTOVALOV, L.V., red.; KHACHATUROV, T.S., red.; ROSTOVTSSEV, N.F., akademik, red.; POPOV, A.N., red.; GRAFOV, L.Ye., red.; GASHEV, A.D., red.; PROBST, A.Ye., prof., red.; VASYUTIN, V.F., prof., red.; KROTOV, V.A., prof., red.; VASIL'YEV, P.V., doktor ekon.nauk, red.; LYUDOGOVSKIY, G.I., kand.tekhn.nauk, red.; LETUNOV, P.A., kand.geol.-mineral.nauk, red.; MAZOVER, Ya.A., red. izd-va; KASHINA, P.S., tekhn.red.

[Comprehensive regional and interregional problems; [conference reports]] Raionnye i mezhrayonnye kompleksnye problemy; [trudy konferentsii]. Moskva, Izd-vo Akad.nauk SSSR, 1960. 190 p.
(MIRA 14:1)

1. Konferentsiya po razvitiyu proizvoditel'nykh sil Vostochnoy Sibiri. 1958. 2. Chleny-korrespondenty AN SSSR (for Nekrasov, Veyts, Levitskiy, Pustovalov, Khachaturov). 3. Sovet po izucheniyu proizvoditel'nykh sil pri Prezidiume Akademii nauk SSSR (for Nekrasov, Shkol'nikov, Slavin). 4. Predsedatel' Soveta po izucheniyu proizvoditel'nykh sil pri Prezidiume AN SSSR (for Nemchinov). 5. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk im. V.I.Lenina (for Rostovtsev). 6. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Panov). (Siberia, Eastern--Economic policy)

KOZLOV, F.R.; KOSYGIN, A.N.; ZASYAD'KO, A.F.; NESMEYANOV, A.N.;
ANTROPOV, P.Ya.; YELYUTIN, V.P.; RUJAKOV, A.P.; KIRILLIN, V.A.;
TOPCHIEV, Aleksandr V.; BLAGONRAVOV, A.A.; SHEVYAKOV, L.D.;
SHILIN, A.A.; MEL'NIKOV, N.V.; KRASNIKOVSKIY, G.V.; TOPCHIEV,
Aleksy V.; BOYKO, A.A.; BRATCHENKO, B.F.; GRAFOV, L.Ye.; KUZ'MICH,
A.S.; KRATENKO, I.M.; MAN'KOVSKIY, G.I.; PLAKSIN, I.N.; AGOSHKOV, M.I.;
SPIVAKOVSKIY, A.O.; POCHENKOV, K.I.; KRASOZOV, I.P.; KOZHEVIN, G.V.;
LINDENAU, N.I.; KUZNETSOV, K.K.

Academician A.A.Skochinskii; obituary. Mast.ugl. 9 no.11:22 N '60.

(MIRA 13:12)

(Skochinskii, Aleksandr Aleksandrovich, 1873-1960)

GRAFOV, L.Ye., gornyy inzh.; GORBUSHIN, V.I., V.I.; ZARANKIN, N.Ye.;
DUDNIK, G.N.; BARONSKIY, I.V.; KOSTYUKOVSKIY, V.Ya. [deceased];
LINDENAU, N.I.; BIRYUKOV, R.A.; LISKOVETS, A.R.; MURAV'YEV,
V.P.; FESUN, V.A.; BERDYUGIN, V.A.; BEREZNYAK, M.M.; VASIL'YEV,
Ye.I.; KOLLODIY, K.K.; IL'CHENKO, D.F.; YALEVSKIY, D.B.;
GERASIMOV, V.P.; IVANOV, V.V.; GAVRILOV, G.V.; SUROVA, V.A., red.
izd-va; OSVAL'D, E.Ya., red. izd-va; PROZOROVSKAYA, V.L., tekhn.
red.

[Development and improvement in the technology of coal production]
Razvitie i sovershenstvovanie tekhniki dobychi uglia. Moskva, Gos-
gortekhzdat, 1962. 359 p. (MIRA 16:2)
(Kuznets Basin--Coal mines and mining)

GRAFOV, L.Ye.

The most important thing is technical progress. Bezop.truda v prom.
6 no.11:3-4 N '62. (MIRA 16:2)

1. Predsedatel' Kemerovskogo soveta narodnogo khozyaystva.
(Kuznetek Basin—Coal mines and mining—Safety measures)

KHRUSHCHEV, N.S.; PODGORNYY, N.V.; ZASYAD'KO, A.F.; RUDAKOV, A.P.; KAZANETS, I.P.; SHILIN, A.A.; MEL'NIKOV, N.V.; BURMISTROV, A.A.; SHEVCHENKO, V.V.; MAYAKOV, L.I.; ROZENKO, P.A.; KUZ'MICH, A.S.; ZADEMIDKO, A.N.; BRATCHENKO, B.F.; STRUYEV, A.I.; KRASNIKOVSKIY, G.V.; BOYKO, A.A.; KAGAN, F.Ya.; USKOV, A.A.; VLADYCHENKO, I.M.; TOPCHIYEV, A.V.; DEGTYAREV, V.I.; KHUDOSOVTSSEV, N.M.; GRAFOV, L.Ye.; IVANOV, V.A.; KRATENKO, I.M.; GOLUB, A.D.; IVONIN, I.P.; SAVCHENKO, A.A.; ROZHCHENKO, Ye.N.; CHERNEGOV, A.S.; MARKELOV, M.N.; LALAYANTS, A.M.; GAPONENKO, F.T.; POLUEKTOV, I.A.; SKLYAR, D.S.; PONOMARENKO, N.F.; POTAPOV, A.I.; POLYAKOV, N.V.; SUBBOTIN, A.A.; POLSTYANOV, G.N.; TRUKHIN, P.M.; TKACHENKO, A.G.; OSTROVSKIY, S.B.; NYRTSEV, M.P.; DYADYK, I.I.; SHPAN'KO, T.P.; RUBCHENKO, V.P.

Kondrat Ivanovich Pochenkov; -obituary. Sov. shakht. 11 no.9:
48 S '62. (MIRA 15:9)
(Pochenkov, Kondrat Ivanovich, 1905-1962)

GRAFOV, V. (Kuybyshev); BUZYNIN, Ye. (Kuybyshev)

"Study room" in a workshop. Sov. profsoiuzy 18 no.5:18-19
Mr '62. (MIRA 15:3)

(Kuybyshev--Bearing industry)

GRAFOV, V.A., inzh.

Compounding of synchronous generators. Vest. TSNII MPS 23 no.8:
14-18 '64 (MIRA 18:2)

1. Leningradskiy institut inzhenerov zheleznodorozhnogo trans-
porta.

1c
L 32962-65 EWT(d)/EWT(1)/EEC(k)-2/EEC(b)-2/EWP(1)/BED-2/ENA(h) Po-4/Pq-4/Pg-4/
Feb/Fk-4 IJP(c) BB/GO S/0286/65/000/004/0039/0039
ACCESSION NR: AP5007382

AUTHOR: Panov, A. P.; Bobrov, F. T.; Samuel'yan, R. G.; Vekker, M. S.; Kuznetsov,
G. Ya.; Grafov, V. I.

TITLE: A device for automatically sorting out ferrite beads which have a rec-
tangular hysteresis loop. Class 21, No. 168345 47
B

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 4, 1965, 39

TOPIC TAGS: ferrite core memory, hysteresis loop, ferrite bead, electronic test
equipment 16

ABSTRACT: This Author's Certificate introduces a device for automatically sorting
out ferrite beads which have a rectangular hysteresis-loop. The beads are fed from
a hopper through a chute to a motor driven drum conveyor with measuring pins fixed
to its circumference. The device also contains a measuring unit with a reference
bead and current collector contacts which connect the unit to the ferrite beads on
the measuring pins. In addition to these units, the sorter incorporates a current
network and a readout circuit, an amplifier connected to a unit which controls the
sorting mechanism, and a device which generates control pulses for switching on the
measurement unit. The following steps are taken to improve accuracy in measurements

Card 1/2

L 32962-65

ACCESSION NR: AP5007382

and to increase the capacity of the device: an argadur-silver contact pair is used as the connection between the measurement pins and the current collector contacts; the measurement pins are made in the form of straight rods; the circuit which generates the control pulses contains synchrocontacts which produce a pulse when the measurement pins are connected to the current collector contacts.

ASSOCIATION: none

SUBMITTED: 21Aug63

ENCL: 01

SUB CODE: DP, EC

NO REF SOV: 000

OTHER: 000

Card 2/3

MIKHAYLOVA, G.S.; GLAZKOVSKIY, Yu.V.; GRAFOV, V.V.

Internal dyeing of cuprammonium fiber using ultrasonic dispersion
of pigments. Khim.volok. no.2:61-62 '62. (MIRA 15:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut steklyanogo
volokna.

(Dyes and dyeing---Rayon)

GRAFOV, V.V.; BYKOVA, G.S.

Increasing the strength of cuprammonium fibers. Khim.volok.no.5:72-
73 '64. (MIRA 17:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo volokna.

GRAFOVA, A.Ya., inzh.

Effect of properties of rocks in the roof on the redistribution
of rock pressure in a massif enclosing a coal seam. Nauch.
soob. IGD 20:24-29 '63. (MIRA 16:10)

(Rock pressure) (Mining engineering)

Name: GRAFOVA, G. Ya.

Dissertation: Reactive changes in elements of the spinal cord system in damage

Degree: Cand Biol Sci

Defended at
~~Affiliation~~: Min Health RSFSR, Leningrad Sanitary-Hygiene Medical Inst

Publication
~~Defense Date~~, Place: 1956, Leningrad

Source: Knizhnaya Letopis', No 45, 1956

GRAFOVA, G.Ya. (Leningrad, kanal Griboyedova, d. 156. kv. 3.)

Reactive changes in nerve tissue of the spine in spinal injuries.
Ark. anat. gist. i embr. 34 no.1:67-78 Ja-F '57 (MLRA 10:5)

1. Iz kafedry gistologii i embriologii (zav.-chl.-korr. AMN SSSR
prof. S.I. Shchelkunov) Leningradskogo sanitarno-gigiyenicheskogo
meditsinskogo instituta.

(SPINE, wounds. and inj.
exper., histol. of regen.)

GRAFOVA, G.Ya.

Changes in the neurons and glia of spinal ganglia following injury.
[with summary in English]. Trudy ISGMI 42:315-325 '58 (MIRA 11:12)

1. Kafedra gistologii i embriologii Leningradskogo sanitarno-
gigiyenicheskogo meditsinskogo instituta (zav. kafedroy - chlen-
korrespondent AMN SSSR, prof. S.I. Shchelkunov).

(GANGLIA, SPINAL, physiology
neuron & neurologia reactions to inj. (Rus))

GRAFOVA, G.Ya.

Changes in the nerve cells of the spinal cord following injury.
[with summary in English]: Trudy LSGMI 42:326-335 '58 (MIRA 11:12)

1. Kafedra gistologii i embriologii Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (sav. kafedroy - chlen-korrespondent AMN SSSR, prof. S.I. Shchelkunov).

(SPINAL CORD, physiology
neuron reactions to inj. (Rus))

GRAFOVA, G.Ya.

Changes in the myelinated nerve fibers following injury [with summary in English]. Trudy LSGMI 42:336-348 '58 (MIRA 11:12)

1. Kafedra gistologii i embriologii Leningradskogo sanitarnogigiyenicheskogo meditsinskogo instituta (sav. kafedroy - chlen-korrespondent AMN SSSR, prof. S.I. Shchelkunov).

(NERVES, physiology

myelinated fiber response to inj. (Rus))

GRAFOVA, G.Ya. (Leningrad, Kanal Griboyedova, 156, kv.3)

Reactivity of the endothelium of the lymphatic pouch of
frogs following mechanical injury. Arkh. anat. gist. i
embr. 41 no.12:34-43 D '61. (MIRA 15:3)

1. Kafedra gistologii i embriologii (zav. - chlen-korrespondent
AMN SSSR prof. S.I. Shchelkunov) Voenno-meditsinskoy ordena
Lenina akademii imeni Kirova.

(LYMPHATICS—WOUNDS AND INJURIES)

(REGENERATION (BIOLOGY))

(ENDOTHELIUM)

GRAFOVA, G.Ya. (Leningrad, F-8, Kanal Griboyedova, 156, kv.3)

Development of cancerous epithelium of the lungs following the
action of a cancerogenic factor. Arkh.anat., gist i embr. 43
no.7:75-83 J1 '62. (MIRA 15:9)

1. Kafedra gistologii i embriologii (nach. - chlen-korrespondent
AMN SSSR prof. S.I.Shchelkunov) Voenno-meditsinskoy ordena Lenina
akademii imeni S.M.Kirova.
(LUNGS--CANCER) (BENZOPYRENE--TOXICOLOGY)

GRAFOVA, G.Ya.

Reactive changes in the epidermis after thermal injury.
Ark. anat., gist. i embr. 44 no.5:96-105 My '63.

(MIRA 17:6)

1. Kafedra gistologii i embriologii (nach.-chlen-korrespondent
AMN SSSR prof. S.I. Shchelkunov) Voenno-meditsinskoy ordena
Lenina akademii imeni S.M. Kirova, Leningrad.

GRAFOVA, G.Ya.

Cytogenesis of the alveolar epithelium of the lungs in frog.
Arkh. anat., gist. i embr. 49 no.11:67-74 N '65.

(MIRA 19:1)

1. Kafedra gistologii i embriologii (zav. - chlen-korrespondent
AMN SSSR prof. S.I. Shchelkunov) Voenno-meditsinskoy ordena
Lenina akademii imeni Kirova.

GRAFOVA, L.M. (Moskva)

Case of drug disease. Sov. med. 24 no.6:126-128 Je '60.
(MIRA 13:9)

(NOVOCAINE--TOXICOLOGY)
(CARDIOVASCULAR SYSTEM--DISEASES)

KRYZHANOVSKIY, G.N.; PEVNITSKIY, L.A.; GRAFOVA, V.N.; POLGAR, A.A.

Pathways of entrance of tetanus toxin into the central nervous system and some problems in the pathogenesis of experimental tetanus. Report No.1: Experience on white rats. Biul. eksp. biol. i med. 51 no.3:42-49 Mr '61. (MIRA 14:5)

1. Iz laboratorii infektsionnoy patologii (zav. - chlen-korrespondent AMN SSSR prof. A.Ya. Alymov) Instituta normal'noy i patologicheskoy fiziologii (dir. - deystvitel'nyy chlen AMN SSSR prof. V.V.Parin) AMN SSSR, Moskva. 'Rukovoditel' raboty - kandidat meditsinskikh nauk G.N.Kryzhanovskiy. Predstavlena deystvitel'nym chlenom AMN SSSR V.V.Parinym.

(TETANUS)

(NERVOUS SYSTEM)

(TOXINS AND ANTITOXINS)

KRYZHANOVSKIY, G.N.; PEVNITSKIY, L.A.; GRAFOVA, V.N.; POLGAR, A.A.

Pathways of the passage of tetanus toxin into the central nervous system and some problems in the pathogenesis of experimental tetanus. Report No.4: Pathogenesis of ascending tetanus. Biul. eksp. biol. i med. 52 no.12:30-38 D '61. (MIRA 14:12)

1. Iz laboratorii infektsionnoy patologii (zav. - chlen-korrespondent AMN SSSR prof. A.Ya. Alymov) Instituta normal'noy i patologicheskoy fiziologii (dir. - deystvitel'nyy chlen AMN SSSR prof. V.V.Parin) AMN SSSR, Moskva. Rukovoditel' raboty - kand.med.nauk G.N.Kryzhanovskiy. Predstavlena deystvitel'nyy chlenom AMN SSSR V.V.Parinyam.
(TETANUS)

KRYZHANOVSKIY, G.N.; PEVNITSKIY, L.A.; GRAFOVA, V.N.; POLGAR, A.A.

Paths of tetanus toxin entry into the central nervous system and some problems in the the pathogenesis of experimental tetanus.
Report No.2: Experiments on mice, guinea pigs, rabbits and cats.
Biul. eksp. biol. i med. 52 no.8:31-37 Ag '61. (MIRA 15:1)

1. Iz laboratorii infektsionnoy patologii (zav. -- chlen-korrespondent AMN SSSR prof. A.Ya.Alymov) Instituta normal'noy i patologicheskoy fiziologii (dir. -- deystvitel'nyy chlen AMN SSSR V.V.Parin) AMN SSSR, Moskva. Rukovoditel' raboty -- kand.med.nauk G.N.Kryzhanovskiy
Predstavlena deystvitel'nym chlenom AMN SSSR V.V.Parinym.
(TETANUS) (NERVOUS SYSTEM DISEASES)

KRYZHANOVSKIY, G.N.; PEVNITSKIY, L.A.; GRAFOVA, V.N.; POLGAR, A.A.

Routes of penetration of the tetanus toxin into the central nervous system and some problems in the pathogenesis of experimental tetanus. Report No.3: Experiments on monkeys and dogs. Biul. eksp. biol. i med. 52 no.11:35-43 N '61. (MIRA 15:3)

1. Iz laboratorii infektsionnoy patologii (zav. - chlen-korrespondent AMN SSSR prof. A.Ya. Alymov) Instituta normal'noy i patologicheskoy fiziologii (dir. - deystvitel'nyy chlen AMN SSSR V.V. Parin) AMN SSSR, Moskva, Predstavlena deystvitel'nyy chlenom AMN SSSR V.V. Parinym.

(TETANUS)

(NERVOUS SYSTEM--DISEASES)

GRAFOVA, Z. M.

Chemical Abst.
Vol. 48 No. 9
May 10, 1954
General and Physical Chemistry

②
Thermochemistry of nickel-ammonia complexes in aqueous solution. V. K. B. Yatsimirskii and Z. M. Grafova.
J. Gen. Chem. (U.S.S.R.) 22, 1705-9 (1952) (Engl. translation).—See C.A. 47, 2030c.
H. L. H.

YATSIMIRSKIY, K.B.; GRAFOVA, Z.M.

Thermochemistry of cuprammonium complexes in water solution. Zhur.ob.
khim. 23 no.5:717-720 My '53. (MLRA 6:5)

1. Ivanovskiy khimiko-tekhnologicheskii institut.
(Thermochemistry) (Compounds, Complex)

GRAFOVA, Z.M.

Chemical Abst.
Vol. 48 No. 6
Mar. 25, 1954
Inorganic Chemistry

3
②
Nickel-dimethylglyoxime complexes. K. B. Yatsimirskii
and Z. M. Grafova. *Zhur. Obshchei Khim.* 23, 435-41.
(1953).—The reaction between NiSO₄ and dimethylgly-
oxime in ammoniacal soln. in the presence of atm. O₂
yielded a colored (I) and a colorless (II) complex compd.
The ratio of Ni:dimethylglyoxime in I was 1:3; in II, 1:1.
The calcd. equil. const. checked well with the exp'l., ob-
tained by measuring the optical density of I at different
concs. A. P. Kotloby

11-5-54

DOMA, Z.M.

1970

GRAFOVA, Z. M.

GRAFOVA, Z.M., Cand Chem Sci -- (diss) "Study of ~~the~~ complexes of
nickel with ammonia and dimethylglyox^{ime}~~al~~ in aqueous solution."
Yaroslavl', 1959, 18 pp (Min of Higher Education USSR. Yaroslavl'
Technological Inst) 150 copies (KL, 36-59, 112)